

### METAL PRODUCTION FACILITIES SUMMARY

During 1983 facilities improvements/additions occurred in the following areas:

1. Chlorine distribution system
2. Porosimeter automation with computer interface
3. Reactor off-gas analysis by gas chromatograph and infrared spectrometer
4. Hazardous gas monitoring in work areas
5. Polychlorinated biphenyl (PCB) gas chromatograph analysis system with computer interface automation
6. Two HP9836 computers for data acquisition, analysis, and instrumentation brains

### ORE PROCESSING FACILITIES SUMMARY

Renovation of Laboratories 8 and 9 in the main laboratory building at TRC was completed at mid year. The two original rooms were converted to a single laboratory for work on Raw Materials and Chemicals projects.

Equipment from the USBM Boulder City, Nevada, alumina mini-plant was obtained under a loan agreement. The equipment was dismantled and moved to TRC.

Equipment for characterizing and calcining ceramic grades of alumina was installed at TRC.